

06-11-01

A

UTILITY PATENT APPLICATION TRANSMITTAL
(Small Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No.

Lee113

Total Pages in this Submission

64

TO THE ASSISTANT COMMISSIONER FOR PATENTSBox Patent Application
Washington, D.C. 20231

Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent application for an invention entitled:

Low Temperature Cycle Extension of DNA with High Priming Specificity

and invented by:

Hong, Guofan
Yang, Yongjie
Zhu, JiaIf a **CONTINUATION APPLICATION**, check appropriate box and supply the requisite information:☒ **C ntinuation** ☐ **Divisional** ☐ **Continuation-in-part (CIP)** of prior application No.: _____

Which is a:

☐ **Continuation** ☐ **Divisional** ☐ **Continuation-in-part (CIP)** of prior application No.: _____

Which is a:

☐ **Continuation** ☐ **Divisional** ☐ **Continuation-in-part (CIP)** of prior application No.: _____

Enclosed are:

Application Elements

1. ☐ Filing fee as calculated and transmitted as described below
2. ☒ Specification having 45 pages and including the following:
 - a. ☒ Descriptive Title of the Invention
 - b. ☐ Cross References to Related Applications (if applicable)
 - c. ☐ Statement Regarding Federally-sponsored Research/Development (if applicable)
 - d. ☐ Reference to Microfiche Appendix (if applicable)
 - e. ☒ Background of the Invention
 - f. ☒ Brief Summary of the Invention
 - g. ☒ Brief Description of the Drawings (if drawings filed)
 - h. ☒ Detailed Description
 - i. ☒ Claim(s) as Classified Below
 - j. ☒ Abstract of the Disclosure

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Application Elements (Continued)

3. ☒ Drawing(s) (when necessary as prescribed by 35 USC 113)
- a. ☒ Formal b. ☐ Informal Number of Sheets 6
4. ☐ Oath or Declaration
- a. ☐ Newly executed (original or copy) ☐ Unexecuted
- b. ☐ Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional application only)
- c. ☐ With Power of Attorney ☐ Without Power of Attorney
- d. ☐ DELETION OF INVENTOR(S)
Signed statement attached deleting inventor(s) named in the prior application,
see 37 C.F.R. 1.63(d)(2) and 1.33(b).
5. ☐ Incorporation By Reference (usable if Box 4b is checked)
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
6. ☐ Computer Program in Microfiche
7. ☐ Genetic Sequence Submission (if applicable, all must be included)
- a. ☐ Paper Copy
- b. ☐ Computer Readable Copy
- c. ☐ Statement Verifying Identical Paper and Computer Readable Copy

Accompanying Application Parts

8. ☐ Assignment Papers (cover sheet & documents)
9. ☐ 37 CFR 3.73(b) Statement (when there is an assignee)
10. ☐ English Translation Document (if applicable)
11. ☐ Information Disclosure Statement/PTO-1449 ☐ Copies of IDS Citations
12. ☐ Preliminary Amendment
13. ☒ Acknowledgment postcard
14. ☒ Certificate of Mailing
- ☐ First Class ☒ Express Mail (Specify Label No.): ET034939145US

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Accompanying Application Parts (Continued)

15. ☐ Certified Copy of Priority Document(s) *(if foreign priority is claimed)*
16. ☒ Small Entity Statement(s) - Specify Number of Statements Submitted: 1
17. ☒ Additional Enclosures *(please identify below)*:

**Claim for Priority Based on Foreign Application; Communication Regarding Certain US Patents,
Co-Pending US Applications and Related US Applications**

Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2)

18. ☐ Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application.

Warning

An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional.

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(Only for new nonprovisional applications under 37 CFR 1.53(b))

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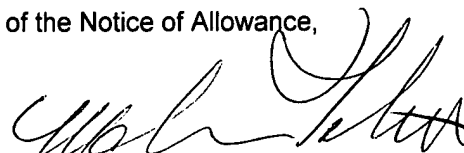
Fee Calculation and Transmittal

CLAIMS AS FILED

For	#Filed	#Allowed	#Extra	Rate	Fee
Total Claims	17	- 20 =	0	x \$9.00	\$0.00
Indep. Claims	3	- 3 =	0	x \$40.00	\$0.00
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					\$0.00
BASIC FEE					\$355.00
OTHER FEE (specify purpose) _____					\$0.00
TOTAL FILING FEE					\$355.00

- ☐ A check in the amount of _____ to cover the filing fee is enclosed.
- ☐ The Commissioner is hereby authorized to charge and credit Deposit Account No. _____ as described below. A duplicate copy of this sheet is enclosed.
- ☐ Charge the amount of _____ as filing fee.
 - ☐ Credit any overpayment.
 - ☐ Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17.
 - ☐ Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).

Dated: June 8, 2001



Signature

Marlana Titus, Reg. No. 35,843
Nash & Titus, LLC
3415 Brookeville Road
Suite 1000
Brookeville, MD 20833
(301) 924-9600

CC:

CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)

Applicant(s): Hong et al.

Docket No.

LEE113

Serial No.
not knownFiling Date
June 8, 2001Examiner
not knownGroup Art Unit
not known

Invention: Low Temperature Cycle Extension of DNA with High Priming Specificity

I hereby certify that the following correspondence:

Transmittal sheets for utility application; utility application (including specification, claims, abstract and 6 figures);
Communication Regarding Certain U.S. Patents, Co-Pending U.S. Applications and Related U.S. Applications; Claim
for Priority Based on Foreign Application; Communication Regarding Small Entity Status; postcard receipt

(Identify type of correspondence)

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under
37 CFR 1.10 in an envelope addressed to: The Assistant Commissioner for Patents, Washington, D.C. 20231 on

June 8, 2001*(Date)*Marlana Titus*(Typed or Printed Name of Person Mailing Correspondence)*
*(Signature of Person Mailing Correspondence)*ET034939145US*("Express Mail" Mailing Label Number)***Note: Each paper must have its own certificate of mailing.**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re PATENT APPLICATION of Hong et al.

Appln. No.: not known

Group Art Unit: not known

Filed: June 8, 2001

Examiner: not known

Title: Low Temperature Cycle Extension of DNA with High Priming Specificity

June 8, 2001

CLAIM FOR PRIORITY BASED ON FOREIGN APPLICATION

Hon. Commissioner of Patents
and Trademarks
Washington, D.C. 20231

Sir:

In connection with the above-identified application, Applicants claim a priority date of April 30, 2001 based on Chinese patent application no. 01117603.2.

By: 

Marlana Titus, Reg. No. 35,843

Nash & Titus, LLC
3415 Brookeville Road
Suite 1000
Brookeville, Maryland 20833
(301) 924-9600



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re PATENT APPLICATION of Hong et al.

Appln. No.: not known

Group Art Unit: not known

Filed: June 8, 2001

Examiner: not known

Title: Low Temperature Cycle Extension of DNA with High Priming Specificity

June 8, 2001

**COMMUNICATION REGARDING CERTAIN U.S. PATENTS, CO-PENDING U.S.
APPLICATIONS AND RELATED U.S. APPLICATIONS**

Hon. Commissioner of Patents
and Trademarks
Washington, D.C. 20231

Sir:

In connection with the above-identified application, Applicants wish to bring to the Examiner's attention the following U.S. patents and co-pending applications (and applications related to co-pending applications):

Serial No. 09/157,397 (filed 9-21-98) (now U.S. Patent 6,165,765)
Serial No. 08/544,643 (filed 10-18-95) (now U.S. Patent 5,747,298)
Serial No. 08/642,684 (filed 5-3-96) (now U.S. Patent 5,834,253)
Serial No. 09/735,677 (filed 12-13-00)

By: 

Marlana Titus, Reg. No. 35,843

Nash & Titus, LLC
3415 Brookeville Road
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Brookeville, Maryland 20833
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re PATENT APPLICATION of Hong et al.

Appln. No.: not known

Group Art Unit: not known

Filed: June 8, 2001

Examiner: not known

Title: Low Temperature Cycle Extension of DNA with High Priming Specificity

June 8, 2001

COMMUNICATION REGARDING SMALL ENTITY STATUS

Hon. Commissioner of Patents
and Trademarks
Washington, D.C. 20231

Sir:

In connection with the above-identified application, Applicants are entitled to small entity status. In addition, Applicants will shortly be signing and filing an Assignment to Hong Kong S&T Limited, which is a small business concern also entitled to small entity status.

By: 

Marlana Titus, Reg. No. 35,843

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3415 Brookeville Road
Suite 1000
Brookeville, Maryland 20833
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